

## Orchid

by Arya Akhavan (April 2013)

Angles for R.I. = 1.760

34 + 6 girdles = 40 facets

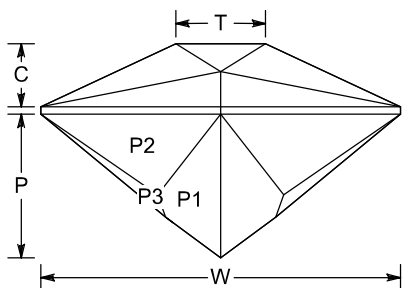
3-fold, mirror-image symmetry

96 index

$L/W = 1.036$   $T/W = 0.250$   $U/W = 0.217$

$P/W = 0.399$   $C/W = 0.175$

$Vol./W^3 = 0.163$



## PAVILION

P1	42.00°	04-28-36-60-68-92	Cut to centerpoint.
G1	90.00°	05-27-37-59-69-91	Set stone size.
P2	44.00°	05-27-37-59-69-91	Level girdle.
P3	42.00°	06-26-38-58-70-90	Meet G1, P2

## CROWN

C1	31.24°	05-27-37-59-69-91	Set girdle width.
C2	27.00°	06-26-38-58-70-90	Meet G1, C1
C3	19.71°	96-32-64	Meet C1, C2
T	0.00°	Table	Meet C2, C3

I guess I was really in the mood for a simple trillion, because I seem to have produced a lot of these. Here's one of the simpler trillions I came up with - it performs surprisingly well, and isn't so sharp in the corners that it can't be used. Works in materials from beryl to rutile (RI = 1.58 - 2.62) with no changes, but I prefer corundum.

Suggested size = 6-10 mm

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